

October 24, 1947

Mr. David Borst
507 Fifth Avenue
New York 17, New York

Dear Mr. Borst,

There are a few more questions which we would like to ask you before we see the college contractor next week. Although we feel that they have already been answered at least in part a written corroboration of our statements would clarify things a great deal.

Do we superimpose our signal on the 110 volt line of the campus distribution system? If we do, will it injure or interfere with these wires in any way. If we run our own wires in the same heating conduits as the 2300 volt college lines, will the transmitter lines be liable to injure the other assuming both are properly insulated? Would the low frequency, low voltage lines which we would run properly come under the category of signal wires or are they too weak to be called that?

Would it be necessary to touch the college transformers in any way if our wires were attached to a fuse box in one house of a group served by one transformer.

Would the heat of the heating conduit injure our wire in any way that would be a possible danger to the college?

Would our signal be strong enough to carry from the last house of one transformer group to the first house of the next and from that one to the next or would it be necessary to run separate wires to some or all of the groups? Also, what would be the approximate wattage used by our transmitter.

In connection with the network programs being received at Smith, could you tell us how much wire it will be necessary to rent. If the studio is off campus and the transmitter is on campus where in the local loop attached?

We would appreciate your sending us the general transmitter design and the other technical information which you mentioned at Brown as being sent to all members who have applied for trial status.

We were very glad to meet you and David Linton at the regional conference, and we regretted having to leave unexpectedly before having another chance to speak to you and thank you for all of your help.

Cordially yours,

Grace Marshall

Chapin House
Smith College
Northampton, Mass.

